

ANIXTER

Technical Data Sheet

Anixter Part No:

IEC60502-2C-0060U

Description

stranded plain annealed copper conductors, XLPE insulation, cores laid up, easi-strip filling sheath, LSOH sheath (black) IEC60502-1

Dimensions

Number of cores	2	no.
Nominal conductor size	6	mm ²
Conductor stranding	7/1.04	#/mm
Insulation thickness	0.7	mm
Outer sheath thickness	1.2	mm
Nominal outer diameter	13.6	mm

Electrical Characteristics

Nominal voltage rating (U ₀ /U)	600/1000	Vrms
Maximum DC conductor resistance @ 20°C	3.08	ohm/km
Maximum AC conductor resistance @ 90°C	3.93	ohm/km
Reactance @ 50 Hz	0.0885	ohm/km
Impedance @ 90°C, 50Hz	3.93	ohm/km
Voltage drop	7.9	mV/A/m
Conductor short-circuit rating (1s)	0.690	kA
Sustained Current Ratings:		
Reference Method B (enclosed in trunking, conduit etc.)	51	A
Reference Method C (clipped direct)	58	A
Reference Method E (on perforated cable tray or free air)	63	A

Physical Characteristics

Maximum conductor operating temperature	90	°C
Maximum conductor short-circuit temperature	250	°C
Conductor material	Stranded Class 2 plain annealed copper conductors to IEC60228	
Insulation material	XLPE in accordance with IEC60502-1 and Type GP8 to BS7655 Section 1.3	
Outer sheath material	Low Smoke Halogen Free type ST8 to IEC60502-1	
Maximum pulling tension by conductor eye	70	kgf
Minimum bending radius	50	mm
Flame resistance	Flame retardant to IEC60332-3-24 Cat. C	
Approximate Weight	300	kg/km

Core Identification:

brown, blue

Issue No: 1

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Date: 25/04/2013